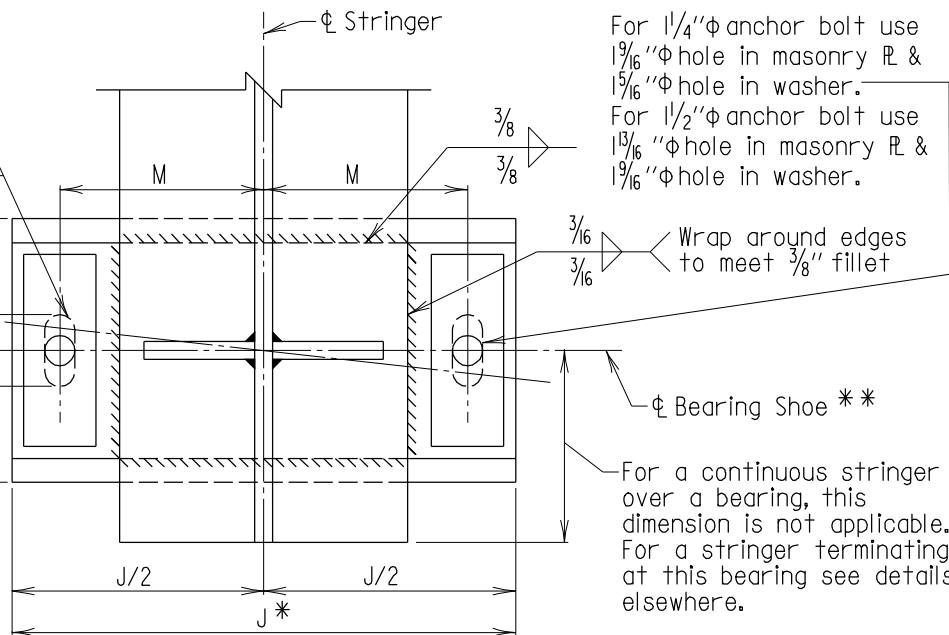


For $1\frac{1}{4}$ " ϕ anchor bolt use
 $1\frac{9}{16}$ " x 2N slot in sole &
 bronze plates.
 For $1\frac{1}{2}$ " ϕ anchor bolt use
 $1\frac{13}{16}$ " ϕ x 2N in sole &
 bronze plates.

ϕ of Brg. **

Note:

1. Nut not shown.
2. Pad and support not shown.
3. Sliding plate not shown.
4. Additional anchor bolts required for spans 150' or greater see sheet 3 of 3.



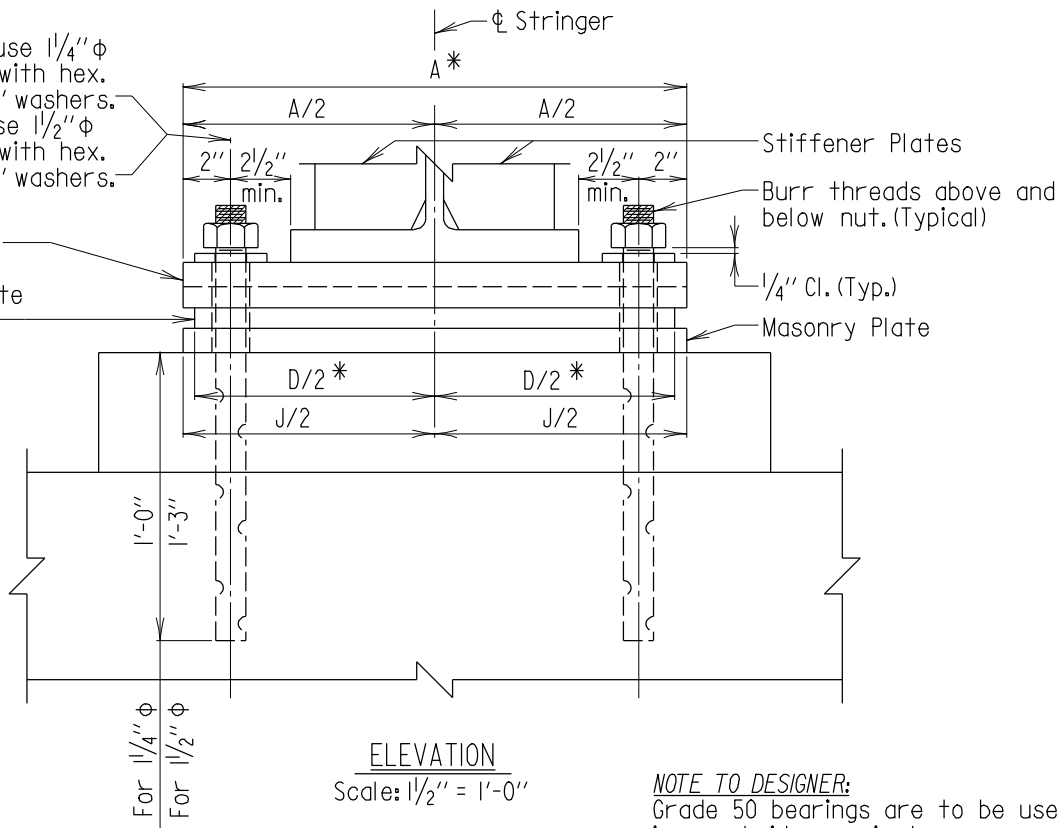
PLAN

Scale: $1\frac{1}{2}$ " = 1'-0"

For spans under 100' use $1\frac{1}{4}$ " ϕ
 swedge anchor bolts with hex.
 nuts and 3" x $\frac{3}{8}$ " x 8" washers.
 For spans over 100' use $1\frac{1}{2}$ " ϕ
 swedge anchor bolts with hex.
 nuts and 3" x $\frac{3}{8}$ " x 8" washers.

Sole Plate

Sliding Plate
 (Bronze)



ELEVATION

Scale: $1\frac{1}{2}$ " = 1'-0"

NOTE TO DESIGNER:

Grade 50 bearings are to be used
 in new bridge projects.

* Edges may be left as cut or cast.

** Where bridge is not skewed, ϕ Brg. and
 ϕ shoe are coincident.

APPROVAL	
<i>L. S. Friedman</i>	DIRECTOR
OFFICE OF STRUCTURES	
DATE: 11/19/99	
REVISIONS	
SHA	FHWA
7-26-06	.
.	.
FHWA APPROVAL	.
DATE:	.

STATE OF MARYLAND
 DEPARTMENT OF TRANSPORTATION
 STATE HIGHWAY ADMINISTRATION
 OFFICE OF STRUCTURES

BRONZE EXPANSION BEARING
 MEDIUM LENGTH SPANS
 (GRADE 50 STEEL)

STANDARD NO. BR-SS(9.05)-99-335

SHEET 1 OF 3